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Methods of Utilizing Atomic Energy in the Chemical
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AF 1071265

Sci - Chemistry, fuels
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(SF-1879/5)

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JPRS 10242

Sci - Chem

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JPRS 12001

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The Quantitative Analysis of Mixtures of Mercaptans by Means of Their Infrared Absorption Spectra, by V. I. Kolbakov, S. B. Bardaushtain, R. V. Dzhagats-panyan, 3 pp.

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The Quantitative Determination of Impurities in
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On the Technology of the Manufacture of Zirconia
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A. V. Kolayev

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Republics-White Russia, Estonia, and Kirgis, by
Kh. Kol'bayev, 25 pp.

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TT-63-20315

I. Kolbe, E.
II. Brandmair, F.

Kolbe, E. and Brandmair, F.
DEVELOPMENTS IN ADIABATIC ABSORPTION OF
HYDROGEN CHLORIDE AND HYDROGEN FLUORIDE.
[1963] 17p (figs omitted) 12refs
Order from SLA \$1.60

TT-63-20315

Trans. of Chemie-Ingenieur-Technik (West Germany)
1963, v. 35, no. 4, p. 262-266. (Abstract available)

DESCRIPTORS: *Towers (Chemistry), Design,
*Hydrochloric acid, Manufacturing methods, *Hydrogen
compounds, *Chlorides, *Fluorides, Absorption
(Physical)

The production methods, and the corresponding manu-
facturing plant, using carbon materials for the appara-
tus for the adiabatic absorption of hydrogen chloride,
are described. Two newly developed processes are de-
scribed, which include adiabatic hydrogen chloride ab-
sorption as an essential step. One of these permits the
(Engineering--Chemical, TT, v. 11, no. 2) (over)

Office of Technical Services

Kolbe, E.

INFLUENCE OF WAVE LENGTH IN INFRARED
DRYING. [1961] [24]p. (p. 10 missing from translation).

Available on loan from SLA

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Trans. of Elektrotechnik (Germany) 1952, v. 6, no. 1,
p. 11-17.

DESCRIPTORS: Industrial production, Manufacturing
methods, Economics, *Infrared radiation, Dehydration,
Heat treatment, Materials.

(Materials--Plastics, TT, v. 6, no. 7)

61-14001

I. Kolbe, E.

Office of Technical Services

Dry Langui-Type Electrical Dust Precipitator for
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GERMAN, par, Berg -und Huettenmaennische Montesh,
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HB 4718

Sci - Engr

Dec 59

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US JPRS 1115-M

RFR - Sopot Poland

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Jan 59

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Separation Process, by W. Balasch, W. Groth,
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No 10, 1961, pp 668-675.
Chem Trans Sv No 2660

H. Kolbel

Sci-Chem
Mar 67

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Kölbel, H. and Kühn, P.

STRUCTURE AND PROPERTIES OF SURFACE-
ACTIVE AGENTS. I. MEASUREMENTS ON p-n-
ALKYLBENZENE SULFONATES. [1961] 19p. 41 refs
Order from SLA \$1.60 61-16186

Trans. of Angew[andte] Chem[ie] (West Germany) 1959,
v. 71, no. 6, p. 211-215.

DESCRIPTORS: *Sulfonates, *Detergents, *Wetting
agents, *Phenyl radicals, Alkyl radicals, Textiles,
Processing.

The textile-chemical properties (surface tension, in-
terfacial tension, wetting capacity, emulsifying power,
foaming capacity, foam stability, soil suspending power,
cleaning power) of p-n-alkylbenzene sulfonates were in-
vestigated as a function of their alkyl chain lengths.
Surface activity in the textile chemical sense begins at
an alkyl chain length of 7-8 C-atoms. The lowering of
the surface and interfacial tensions, as well as the
(Chemistry--Organic, TT. v. 6, no. 3) (over)

61-16186

I. Kölbel, H.
II. Kühn, P.
III. Title: Measurements

Office of Technical Services

Kolbel, Herbert.

THE POSSIBILITIES OF THE UTILISATION OF CARBON MONOXIDE CONTAINING GASES FOR THE SYNTHESIS OF HYDROCARBONS. 10 Sep 58, 3p.
Order from SLA \$1.10 61-18737

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DESCRIPTORS: *Carbon compounds, *Monoxides, *Gases, *Hydrocarbons, S_ynthesis, Waste gases.

(Engineering--Chemical, TT, v. 6, no. 8)

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I. Kolbel, H.

Office of Technical Services

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Order from ATS \$16.75 ATS-49N58G

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DESCRIPTORS: *Propenes, Polymerization, Electro-
chemistry.

(Chemistry--Physical, TT, v. 8, no. 1)

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KHbel, H. and HBrig, K.
CONSTITUTION AND PROPERTIES OF SURFACTANTS
II. SORPTION OF ANIONIC SURFACTANTS ON
TEXTILE FIBERS. [27 Jan 63] [19p] 18 refs
Order from SLA \$1. 60 TT-64-10933

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(See also TT-63-20453)

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TT-64-10933

I. KHbel, H.
II. HBrig, K.
III. Tiden Sorption...

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Catalytic Hydrogenation With Carbon Monoxide-
Steam Mixtures, by H. Kolbel, W. Janicke, 4 pp.

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ATS 237-GJ

Sci - Chemistry
Nov 59

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Catalytic Hydrogenation With Carbon Monoxide-Steam
Mixtures, by H. Kolbel, W. Janicke, 4 pp.

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Vol 2, No 4

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Hydrocarbon Synthesis as a Means of Improving
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Sai - Chem
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Sci - Chemistry, inorganic
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CONSTITUTION AND PROPERTIES OF SUR-
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INDUSTRIAL APPLICATION PHENOMENA. [1961]
16p.

Order from ATS \$23.40

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Trans. of Angew[andre] Chem[ie] (West Germany)
1961, v. 73, no. 9, p. 290-298.

DESCRIPTORS: *Detergents, *Wetting agents.

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Kolbel, Herbert.

POSSIBLE USES OF BLAST FURNACE GAS FOR
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Rept. no. 309 of the Blast Furnace Committee of the
V[erein] D[eutscher] E[isen]-h[üttenleute]. [1961] 13p.
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DESCRIPTORS: *Hydrocarbons, Production, Synthesis,
*Blast furnaces, *Gases, Water vapor, Combustion
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(Engineering--Chemical, TT, v. 6, no. 12)

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II. Title: Verein ...

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The Antitussive Effects of an Aminosterile, by
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Sci - Geophysics
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[Primorye], by M. F. Kolbin, A. F. Shekhorin,
I. A. Shekhorin, 3 pp.

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I. Pimburskaya, 4 pp.

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Studying the Change in Length of Diffusion
Displacement of Current Carriers and the
Electrode Potential of Germanium During
Electrolytic Treatment, by P. P. Konorov,
M. M. Kolbin, 2 pp.

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Vol. III, No 5

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A Volatile Higher Chloride of Ruthenium, by
S. I. Shchukarev, N. I. Kolbin, A. N. Ryabov,

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1959, pp 1692-

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The Production of Hard Metals by the Impregnation
Process, by R. Kieffer, F. Kolbl. UNCL

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Part III, 1950, pp 49-58.

British Iron and Steel Ind
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Sci - Min/Met

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ESur - East Germany

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Few Types of Hard Metal- Higher Performance, by
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1950.

British Iron and Steel Ind
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Sci - Min/Met
Sep 59

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The Chemistry of Compounds of a Variable Composition. -- VII. The Cobalt-Tellurium System and the Enthalpy of Formation of the Cobalt Tellurides, by S. M. Ariya, E. M. Kolbina, M. S. Agurina, 12 pp.

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p. 18, 1950.

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Sci - Min/Mat

Rep 59

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The Scaling Behavior and Oxidation Mechanism
of Heat- and Scale-Resistant Hard Alloys, in
Particular of those with a Titanium-Carbide
Base, by R. Kieffer, F. Kolbl, 16 pp.

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Processes for Treating Hard Metal Molded Bodies.
by Franz Kolbl, 4 pp.

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(NY-2855).

Effect of the New Agricultural Policy on
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10 pp.

POLISH, per, Nowe Rolnictwo, Vol VIII, No 8,
1959, pp 286-289.

JPRS-1860-N

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Eur - Poland
Econ - Agriculture
Sep 59

Calculation of Required Thrust Taking Into
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RAND T-139

Sci
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Selection of the Parameters of a Multistage Rocket.
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JPRS 22668

Sci
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Kolchanov, R. A.
CALCULATION OF REQUIRED THRUST TAKING
INTO ACCOUNT COMPRESSIBILITY, tr. by C. M.
Weber. 14 Apr 61 [11]p. 2 refs. Rand T-139.
Order from OTS or SLA \$1.60 61-19806

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
Aviatsionnaya Tekhnika (USSR) 1960, no. 4, p. 126-131.

DESCRIPTORS: *Supersonic flight, *Supersonic planes,
Supersonics, *Thrust, *Compressible flow.

The method proposed by N. E. Zhukovskii for the
graphical construction of a force triangle, the sides of
which are the coefficients of weight C_w , total aerody-
namic force C_R , and required thrust C_T is modified and
made suitable for use for supersonic speeds. To illus-
trate the great potentiality of the graphical method of
calculation it is shown to be adaptable to the calculation
of unsteady motion of an aircraft.

- I. Kolchanov, R. A.
- II. Rand T-139
- III. Rand Corp., Santa
Monica, Calif.
- IV. Contract AF 49(638)700

(Mechanics--Aerodynamics,
TT, v. 6, no. 8)
Office of Technical Services

On Turbine Drilling With Lowered Pressure After the
Turbine, by A. V. Kol'chenko, 4 pp.

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Sci - Engineering
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Lubricant for High-Speeds and High Loads, by
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May 58

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Means of Increasing the Wear Resistance of Turbo-
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Silin, 6 pp.

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Assoc Tech Serv JIKDSR
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Sci - Engr
OTS I, 4
Apr 79

RJ-1779

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Study of Abrasive Wear of the Turbine of a
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Decrease of Friction in Rubber-Lined Bearings During
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Antiferromagnetic Properties of Cobaltous
Oxide, by, V. I. Chechernikov, V. G. Kol'chenko,
~~pp. 721-724~~ 3 pp.

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Vol XIII, No 3

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Research on Radiant Energy Transfer in an Absorbing
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Sci - Phys

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Carriers, by B. Kolchigin, V. Kovalenko, I. Tol-
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RUSSIAN, no per, Voennoy Vestnik, No 10, 1956;
pp 37-40; No 1, 1957, pp 13-18; No 2, 1957,
pp 20-24, Encl to IR 1543-57, AFCHH-1A1.

AF 1114588

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Nil - Vehicles

Aug 57

Mechanization of Loading and Unloading Work in
Refrigerators, by A. I. Kolchin, ID 2113899

RUSSIAN, bk, Mekhanizatsiya Pogruzochnykh Rabot
na Kholodil'nikakh, 1958, pp 1-27, 65-69, 76-78,
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Jun 60

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(DC-6503)

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JPRS 11609

Sci - Phys
Jan 62

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